

WO 1993-EP1588 19930622  
 19950103 PCT 371 date  
 19950103 PCT 102(e) date  
 PRAI DE 1992-4221875 19920703  
 DT Utility  
 FS Granted  
 LN.CNT 1198  
 INCL INCLM: 528/328.000  
 INCLS: 252/089.100; 426/051.000; 525/418.000; 525/419.000; 525/420.000;  
 526/303.100; 526/304.000; 526/307.000; 526/312.000; 528/190.000;  
 528/327.000; 528/363.000  
 NCL NCLM: 528/328.000  
 NCLS: 426/051.000; 525/418.000; 525/419.000; 525/420.000; 526/303.100;  
 526/304.000; 526/307.000; 526/312.000; 528/190.000; 528/327.000;  
 528/363.000  
 IC [6]  
 ICM: C08G069-10  
 ICS: A23B007-10; C08F020-54  
 EXF 528/190; 528/327; 528/328; 528/363; 525/418; 525/419; 525/420; 252/891;  
 426/51; 526/303.1; 526/304; 526/307; 526/312  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 3 OF 3 USPATFULL

Full Text	Citing References
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AN 95:105897 USPATFULL  
 TI Aqueous polyurethane dispersions  
 IN Wallon, Alexander, Limburgerhof, Germany, Federal Republic of  
 Auchter, Gerhard, Bad Duerkheim, Germany, Federal Republic of  
 Licht, Ulrike, Mannheim, Germany, Federal Republic of  
 Haerberle, Karl, Speyer, Germany, Federal Republic of  
 Funhoff, Angelika, Heidelberg, Germany, Federal Republic of  
 PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of  
 (non-U.S. corporation)  
 PI US 5470907 19951128  
 AI US 1994-263233 19940621 (8)  
 PRAI DE 1993-4320455 19930621  
 DT Utility  
 FS Granted  
 LN.CNT 881  
 INCL INCLM: 524/507.000  
 INCLS: 524/591.000; 524/839.000; 524/840.000; 525/455.000  
 NCL NCLM: 524/507.000  
 NCLS: 524/591.000; 524/839.000; 524/840.000; 525/455.000  
 IC [6]  
 ICM: C08J003-00  
 ICS: C08K003-20; C08L075-00; C08F283-04  
 EXF 524/591; 524/839; 524/840; 524/507; 525/455  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s Ingram, W. Hayes/in

L11 8 INGRAM, W. HAYES/IN

=> s 111 and 1-8

2 FILES SEARCHED...

3 FILES SEARCHED...

L12 8 L11 AND 1-8

=> s 112 and phenol3 and formaldehyde

L13 0 L12 AND PHENOL3 AND FORMALDEHYDE

=> s 112 and phenol and formaldehyde

L14 8 L12 AND PHENOL AND FORMALDEHYDE

=> s phenol# and formaldehyde# and resin# and scavenger#

L15 2445 PHENOL# AND FORMALDEHYDE# AND RESIN# AND SCAVENGER#

=> s l15 and alkaline catalyst#

L16 80 L15 AND ALKALINE CATALYST#

=> s l16 and free formaldehyde concentration

L17 1 L16 AND FREE FORMALDEHYDE CONCENTRATION

=> d

L17 ANSWER 1 OF 1 USPATFULL

Full Text	Citing References
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AN 92:1421 USPATFULL  
 TI **Formaldehyde** containing resins having a low free formaldehyde  
 IN Willging, Stephen M., Minneapolis, MN, United States  
 PA H. B. Fuller Company, Saint Paul, MN, United States (U.S. corporation)  
 PI US 5079067 19920107  
 AI US 1991-667009 19910311 (7)  
 RLI Continuation of Ser. No. US 1988-244913, filed on 15 Sep 1988, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 754  
 INCL INCLM: 428/182.000  
 INCLS: 428/186.000; 523/208.000; 524/049.000; 524/701.000; 524/728.000;  
 524/843.000; 524/844.000  
 NCL NCLM: 428/182.000  
 NCLS: 428/186.000; 523/208.000; 524/049.000; 524/701.000; 524/728.000;  
 524/843.000; 524/844.000  
 IC [5]  
 ICM: B32B003-28  
 ICS: C08K009-00; C08L003-04  
 EXF 428/182; 428/186; 523/208; 524/49; 524/701; 524/728; 524/843; 524/844;  
 527/303; 528/227  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l12 1-8

L12 ANSWER 1 OF 8 PCTFULL COPYRIGHT 2003 Univentio

Full Text
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AN 1999032534 PCTFULL ED 20020515  
 TIEN CYCLIC UREA-FORMALDEHYDE PREPOLYMER FOR USE IN PHENOL-FORMALDEHYDE AND  
 MELAMINE-FORMALDEHYDE RESIN-BASED BINDERS  
 TIFR PREPOLYMERE UREE-FORMALDEHYDE CYCLIQUE S'UTILISANT DANS DES LIANTS A  
 BASE DE RESINE PHENOL-FORMALDEHYDE ET MELAMINE-FORMALDEHYDE  
 IN DUPRE, F., C.;  
 FOUCHT, Millard, E.;  
 FREESE, William, P.;  
 GABRIELSON, Kurt, D.;  
 GAPUD, Benjamin, D.;  
 INGRAM, W., Hayes;  
 McVAY, Ted, E.;  
 REDIGER, Richard, A.;  
 SHOEMAKE, Kelly, A.;  
 TUTIN, Kim, K.;  
 WRIGHT, James, T.  
 PA GEORGIA-PACIFIC RESINS, INC.  
 LA English  
 DT Patent

PI WO 9932534 A1 19990701  
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI  
GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW  
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN  
TD TG  
AI WO 1998-US26922 A 19981218  
PRAI US 1997-60/068,286 19971219  
US 1998-60/095,249 19980804  
US 1998-09/215,742 19981217  
ICM C08G012-40  
ICS C08G014-12; C08L061-28; C08L061-06

L12 ANSWER 2 OF 8 USPATFULL

Full Text	Citing References
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AN 2002:201527 USPATFULL  
TI Wood composite prepared with a B-stageable resin  
IN Black, Eric P., Covington, GA, United States  
Hittmeier, Michael E., Alpharetta, GA, United States  
Ingram, W. Hayes, Conyers, GA, United States  
Johnson, R. Scott, Snellville, GA, United States  
PA Georgia-Pacific Resins Inc., Atlanta, GA, United States (U.S. corporation)  
PI US 6432254 B1 20020813  
AI US 1997-979759 19971126 (8)  
DT Utility  
FS GRANTED  
LN.CNT 545  
INCL INCLM: 156/307.500  
INCLS: 156/335.000; 156/381.000; 528/147.000  
NCL NCLM: 156/307.500  
NCLS: 156/335.000; 156/381.000; 528/147.000  
IC [7]  
ICM: C09J005-02  
EXF 156/307.5; 156/381; 156/335; 528/147  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 8 USPATFULL

Full Text	Citing References
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AN 2002:95476 USPATFULL  
TI Cyclic urea-formaldehyde prepolymer for use in phenol-formaldehyde and melamine-formaldehyde resin-based binders  
IN Dupre, F. C., Atlanta, GA, United States  
Foucht, Millard E., Stone Mountain, GA, United States  
Freese, William P., Conyers, GA, United States  
Gabrielson, Kurt D., Liburn, GA, United States  
Gapud, Benjamin D., Lawrenceville, GA, United States  
Ingram, W. Hayes, Conyers, GA, United States  
McVay, Ted M, Lawrenceville, GA, United States  
Rediger, Richard A., Conyers, GA, United States  
Shoemake, Kelly A., Conyers, GA, United States  
Tutin, Kim K., Stone Mountain, GA, United States  
Wright, James T., Decatur, GA, United States  
PA Georgia-Pacific Resins, Inc., Atlanta, GA, United States (U.S. corporation)  
PI US 6379814 B1 20020430  
US 2002054994 A1 20020509  
AI US 2001-948047 20010907 (9)  
RLI Division of Ser. No. US 2000-735624, filed on 14 Dec 2000 Division of Ser. No. US 2000-598894, filed on 22 Jun 2000, now patented, Pat. No. US



6245438 Division of Ser. No. US 1998-215742, filed on 17 Dec 1998, now patented, Pat. No. US 6114491 Continuation-in-part of Ser. No. US 1998-95249, filed on 4 Aug 1998

PRAI US 1997-68286P 19971219 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 1459  
 INCL INCLM: 428/528.000  
 INCLS: 428/509.000; 428/511.000; 525/484.000; 525/498.000  
 NCL NCLM: 428/528.000  
 NCLS: 428/509.000; 428/511.000; 525/484.000; 525/498.000  
 IC [7]  
 ICM: B32B021-58  
 EXF 428/528; 428/502; 428/511; 525/484; 525/498

L12 ANSWER 4 OF 8 USPATFULL

Full Text	Citing References
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AN 2001:88103 USPATFULL  
 TI Cyclic urea-formaldehyde prepolymer for use in phenol-formaldehyde and melamine-formaldehyde resin-based binders  
 IN Dupre, F. C., Atlanta, GA, United States  
 Foucht, Millard E., Stone Mountain, GA, United States  
 Freese, William P., Conyers, GA, United States  
 Gabrielson, Kurt D., Liburn, GA, United States  
 Gapud, Benjamin D., Lawrenceville, GA, United States  
 Ingram, W. Hayes, Conyers, GA, United States  
 McVay, Ted M., Lawrenceville, GA, United States  
 Rediger, Richard A., Conyers, GA, United States  
 Shoemake, Kelly A., Conyers, GA, United States  
 Tutin, Kim K., Stone Mountain, GA, United States  
 Wright, James T., Decatur, GA, United States  
 PA Georgia-Pacific Resins, Inc. (U.S. corporation)  
 PI US 2001000237 A1 20010412  
US 6369171 B2 20020409  
 AI US 2000-735624 A1 20001214 (9)  
 RLI Division of Ser. No. US 2000-598894, filed on 22 Jun 2000, PENDING  
 Division of Ser. No. US 1998-215742, filed on 17 Dec 1998, GRANTED, Pat. No. US 6114491  
 PRAI US 1998-95249P 19980804 (60)  
US 1997-68286P 19971219 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1600  
 INCL INCLM: 428/528.000  
 NCL NCLM: 525/498.000  
 NCLS: 425/502.000; 425/505.000; 425/506.000; 425/511.000; 425/528.000;  
 525/484.000; 528/129.000; 528/254.000  
 IC [7]  
 ICM: B32B027-42  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 8 USPATFULL

Full Text	Citing References
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AN 2001:86142 USPATFULL  
 TI Cyclic urea-formaldehyde prepolymer for use in phenol-formaldehyde and melamine-formaldehyde resin-based binders  
 IN Dupre, F. C., Atlanta, GA, United States  
 Foucht, Millard E., Stone Mountain, GA, United States  
 Freese, William P., Conyers, GA, United States  
 Gabrielson, Kurt D., Liburn, GA, United States  
 Gapud, Benjamin D., Lawrenceville, GA, United States  
 Ingram, W. Hayes, Conyers, GA, United States

McVay, Ted M., Lawrenceville, GA, United States  
 Rediger, Richard A., Conyers, GA, United States  
 Shoemake, Kelly A., Conyers, GA, United States  
 Tutin, Kim K., Stone Mountain, GA, United States  
 Wright, James T., Decatur, GA, United States  
 PA Georgia-Pacific Resins, Inc., Atlanta, GA, United States (U.S.  
 corporation)  
 PI US 6245438 B1 20010612  
 AI US 2000-598894 20000622 (9)  
 RLI Division of Ser. No. US 1998-215742, filed on 17 Dec 1998, now patented,  
 Pat. No. US 6114491  
 PRAI US 1998-95249P 19980804 (60)  
 US 1997-68286P 19971219 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 1489  
 INCL INCLM: 428/511.000  
 INCLS: 428/502.000; 428/565.000; 428/566.000; 525/484.000; 528/129.000;  
 528/254.000  
 NCL NCLM: 428/511.000  
 NCLS: 428/502.000; 428/565.000; 428/566.000; 525/484.000; 528/129.000;  
 528/254.000  
 IC [7]  
 ICM: B32B023-08  
 ICS: C08G014-04; C08G008-10; C08G008-28  
 EXF 428/528; 428/511; 428/502; 428/505; 428/506; 525/484; 528/129; 528/254  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 6 OF 8 USPATFULL

Full Text	Citing References
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AN 2000:117872 USPATFULL  
 TI Cyclic urea-formaldehyde prepolymer for use in phenol-formaldehyde and  
 melamine-formaldehyde resin-based binders  
 IN Dupre, F. C., Atlanta, GA, United States  
 Foucht, Millard E., Stone Mountain, GA, United States  
 Freese, William P., Conyers, GA, United States  
 Gabrielson, Kurt D., Liburn, GA, United States  
 Gapud, Benjamin D., Lawrenceville, GA, United States  
 Ingram, W. Hayes, Conyers, GA, United States  
 McVay, Ted M., Lawrenceville, GA, United States  
 Rediger, Richard A., Conyers, GA, United States  
 Shoemake, Kelly A., Conyers, GA, United States  
 Tutin, Kim K., Stone Mountain, GA, United States  
 Wright, James T., Decatur, GA, United States  
 PA Georgia-Pacific Resins, Inc., Atlanta, GA, United States (U.S.  
 corporation)  
 PI US 6114491 20000905  
 AI US 1998-215742 19981217 (9)  
 PRAI US 1998-95249P 19980804 (60)  
 US 1997-68286P 19971219 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 1545  
 INCL INCLM: 528/129.000  
 INCLS: 528/254.000; 525/484.000; 525/498.000; 428/528.000; 428/505.000;  
 428/506.000; 428/511.000  
 NCL NCLM: 528/129.000  
 NCLS: 428/505.000; 428/506.000; 428/511.000; 428/528.000; 525/484.000;  
 525/498.000; 528/254.000  
 IC [7]  
 ICM: C08G014-04  
 ICS: C08G008-10; C08G008-28  
 EXF 528/129; 528/254; 428/528; 428/505; 428/506; 428/511; 525/484; 525/498

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 8 USPAT2

	Full Text	Citing References
AN	2002:95476	USPAT2
TI	CYCLIC UREA-FORMALDEHYDE PREPOLYMER FOR USE IN PHENOL-FORMALDEHYDE AND MELAMINE-FORMALDEHYDE RESIN-BASED BINDERS	
IN	Dupre, F. C., Atlanta, GA, UNITED STATES Foucht, Millard E., Stone Mountain, GA, UNITED STATES Freese, William P., Conyers, GA, UNITED STATES Gabrielson, Kurt D., Liburn, GA, UNITED STATES Gapud, Benjamin D., Lawrenceville, GA, UNITED STATES Ingram, W. Hayes, Conyers, GA, UNITED STATES McVay, Ted M., Lawrenceville, GA, UNITED STATES Rediger, Richard A., Conyers, GA, UNITED STATES Shoemake, Kelly A., Conyers, GA, UNITED STATES Tutin, Kim K., Stone Mountain, GA, UNITED STATES Wright, James T., Decatur, GA, UNITED STATES	
PA	Georgia-Pacific Resins, Inc. (U.S. corporation)	
PI	US 2002054994	A1 20020509
AI	US 2001-948047	A1 20010907 (9)
RLI	Division of Ser. No. US 2000-735624, filed on 14 Dec 2000, PENDING Division of Ser. No. US 2000-598894, filed on 22 Jun 2000, GRANTED, Pat. No. US 6245438 Division of Ser. No. US 1998-215742, filed on 17 Dec 1998, GRANTED, Pat. No. US 6114491	
PRAI	US 1998-95249P	19980804 (60)
	US 1997-68286P	19971219 (60)
DT	Utility	
FS	APPLICATION	
LN.CNT	1614	
INCL	INCLM: 428/349.000	
NCL	NCLM: 428/528.000 NCLS: 428/509.000; 428/511.000; 525/484.000; 525/498.000	
IC	[7] ICM: B32B007-12	

L12 ANSWER 8 OF 8 USPAT2

	Full Text	Citing References
AN	2001:88103	USPAT2
TI	Cyclic urea-formaldehyde prepolymer for use in phenol-formaldehyde and melamine-formaldehyde resin-based binders	
IN	Dupre, Frederick C., Atlanta, GA, United States Foucht, Millard E., Stone Mountain, GA, United States Freese, William P., Conyers, GA, United States Gabrielson, Kurt D., Liburn, GA, United States Gapud, Benjamin D., Lawrenceville, GA, United States Ingram, W. Hayes, Conyers, GA, United States McVay, Ted M., Lawrenceville, GA, United States Rediger, Richard A., Conyers, GA, United States Shoemake, Kelly A., Conyers, GA, United States Tutin, Kim K., Stone Mountain, GA, United States Wright, James T., Decatur, GA, United States	
PA	Georgia-Pacific Resins, Inc., Atlanta, GA, United States (U.S. corporation)	
PI	US 6369171	B2 20020409
AI	US 2000-735624	20001214 (9)
RLI	Division of Ser. No. US 2000-598894, filed on 22 Jun 2000, now patented, Pat. No. US 6245438 Division of Ser. No. US 1998-215742, filed on 17 Dec 1998, now patented, Pat. No. US 6114491	
PRAI	US 1997-68286P	19971219 (60)
	US 1998-95249P	19980804 (60)
DT	Utility	

FS GRANTED  
LN.CNT 1434  
INCL INCLM: 525/498.000  
INCLS: 525/498.000; 525/484.000; 425/528.000; 425/502.000; 425/505.000;  
425/506.000; 425/511.000; 528/129.000; 528/254.000  
NCL NCLM: 525/498.000  
NCLS: 425/502.000; 425/505.000; 425/506.000; 425/511.000; 425/528.000;  
525/484.000; 528/129.000; 528/254.000  
IC [7]  
ICM: C08G008-28  
ICS: C08L061-10; C08L061-34  
EXF 428/528; 428/502; 428/505; 428/506; 428/511; 528/129; 528/254; 525/484;  
525/498  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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